



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 2/8/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12033A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Purgeable Petroleum Hydrocarbons by GC/FID



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzner

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12033A

Reported: 02/08/12 17:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW32	1202005-01	Water	02/01/12 10:45	02/02/12 09:40
HW32-P	1202005-02	Water	02/01/12 10:50	02/02/12 09:40
HW33	1202005-03	Water	02/01/12 10:49	02/02/12 09:40
HW33a-P	1202005-04	Water	02/01/12 10:42	02/02/12 09:40
HW33b-P	1202005-05	Water	02/01/12 11:42	02/02/12 09:40
TB12	1202005-06	Water	02/01/12 07:20	02/02/12 09:40
FB07	1202005-07	Water	01/31/12 14:15	02/02/12 09:40
HW26-P	1202005-08	Water	01/31/12 11:37	02/02/12 09:40
HW29	1202005-09	Water	01/31/12 18:18	02/02/12 09:40
HW29z	1202005-10	Water	01/31/12 18:18	02/02/12 09:40
HW35	1202005-11	Water	01/31/12 11:49	02/02/12 09:40
HW52	1202005-12	Water	01/31/12 15:22	02/02/12 09:40
TB10	1202005-13	Water	01/31/12 07:20	02/02/12 09:40
TB11	1202005-14	Water	01/31/12 07:25	02/02/12 09:40
TB13	1202005-15	Water	02/01/12 07:23	02/02/12 09:40
HW26	1202005-16	Water	01/31/12 10:26	02/02/12 09:40

SDG ID 12033A

TPH-Purgeables:

Bottles for samples 1202005-01 (HW32) 1202005-02 (HW32-P), and 1202005-15 (TB13) were received at 9 degrees Celcius. This is above the recommended transport and storage temperature of 0 - 6 dgreees C. No significant effect on the data is expected.

Work Order(s)

1202005



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202005-01						Water - Sampled: 02/01/12 10:45			
Sample ID: HW32						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			104 %	76-121%		"	"	"	
Lab ID: 1202005-02						Water - Sampled: 02/01/12 10:50			
Sample ID: HW32-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			101 %	76-121%		"	"	"	
Lab ID: 1202005-03						Water - Sampled: 02/01/12 10:49			
Sample ID: HW33						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			102 %	76-121%		"	"	"	
Lab ID: 1202005-04						Water - Sampled: 02/01/12 10:42			
Sample ID: HW33a-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			103 %	76-121%		"	"	"	
Lab ID: 1202005-05						Water - Sampled: 02/01/12 11:42			
Sample ID: HW33b-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			103 %	76-121%		"	"	"	
Lab ID: 1202005-06						Water - Sampled: 02/01/12 07:20			
Sample ID: TB12						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			103 %	76-121%		"	"	"	
Lab ID: 1202005-07						Water - Sampled: 01/31/12 14:15			
Sample ID: FB07						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			102 %	76-121%		"	"	"	
Lab ID: 1202005-08						Water - Sampled: 01/31/12 11:37			
Sample ID: HW26-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			103 %	76-121%		"	"	"	
Lab ID: 1202005-09						Water - Sampled: 01/31/12 18:18			
Sample ID: HW29						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202005-09 Water - Sampled: 01/31/12 18:18									
Sample ID: HW29									
Surrogate: a,a,a-Trifluorotoluene		108 %		76-121%		Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	
Lab ID: 1202005-10 Water - Sampled: 01/31/12 18:18									
Sample ID: HW29z									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		100 %		76-121%		"	"	"	
Lab ID: 1202005-11 Water - Sampled: 01/31/12 11:49									
Sample ID: HW35									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		101 %		76-121%		"	"	"	
Lab ID: 1202005-12 Water - Sampled: 01/31/12 15:22									
Sample ID: HW52									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		103 %		76-121%		"	"	"	
Lab ID: 1202005-13 Water - Sampled: 01/31/12 07:20									
Sample ID: TB10									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		103 %		76-121%		"	"	"	
Lab ID: 1202005-14 Water - Sampled: 01/31/12 07:25									
Sample ID: TB11									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		106 %		76-121%		"	"	"	
Lab ID: 1202005-15 Water - Sampled: 02/01/12 07:23									
Sample ID: TB13									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		102 %		76-121%		"	"	"	
Lab ID: 1202005-16 Water - Sampled: 01/31/12 10:26									
Sample ID: HW26									
TPH as Gasoline		ND	U	50	ug/L	Purgeable Petroleum Hydrocarbons by EPA Method 8015C B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		103 %		76-121%		"	"	"	



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0011 - 5030 P&T TPH-G - TPH - Purgeable							Prepared & Analyzed: 02/02/12			
Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control										
Blank (B2B0011-BLK1)										
TPH as Gasoline	ND	U		50 ug/L						
Surrogate: a,a,a-Trifluorotoluene	129			"	125		103	76-121		
LCS (B2B0011-BS1)										
TPH as Gasoline	515			50 ug/L	500		103	75-114		200
Surrogate: a,a,a-Trifluorotoluene	134			"	125		108	76-121		
Matrix Spike (B2B0011-MS1)			Source: 1202005-11							
TPH as Gasoline	537			50 ug/L	500	ND	107	71-114		11
Surrogate: a,a,a-Trifluorotoluene	127			"	125		102	76-121		
Matrix Spike Dup (B2B0011-MSD1)			Source: 1202005-11							
TPH as Gasoline	524			50 ug/L	500	ND	105	71-114	2	11
Surrogate: a,a,a-Trifluorotoluene	124			"	125		100	76-121		



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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.